
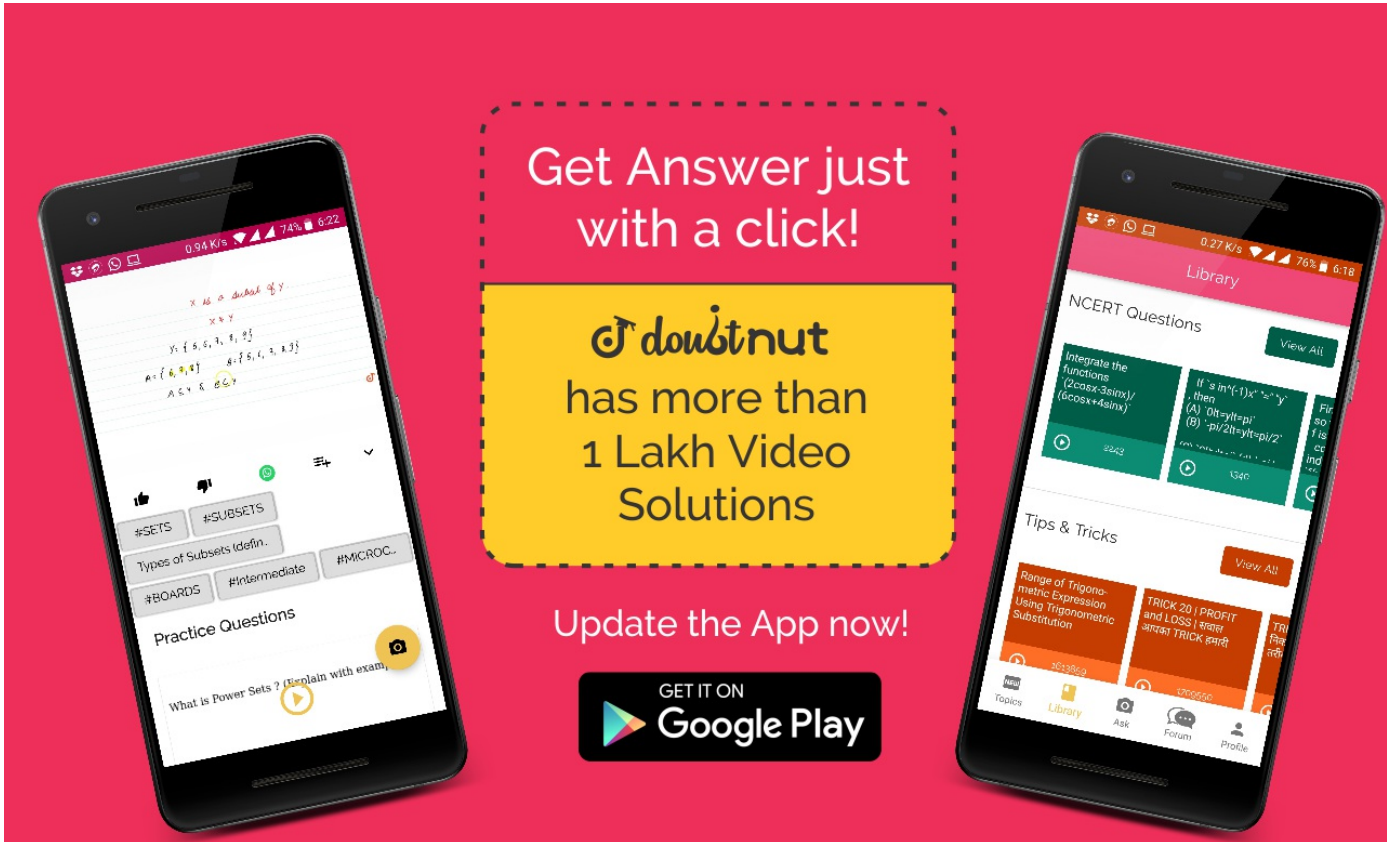




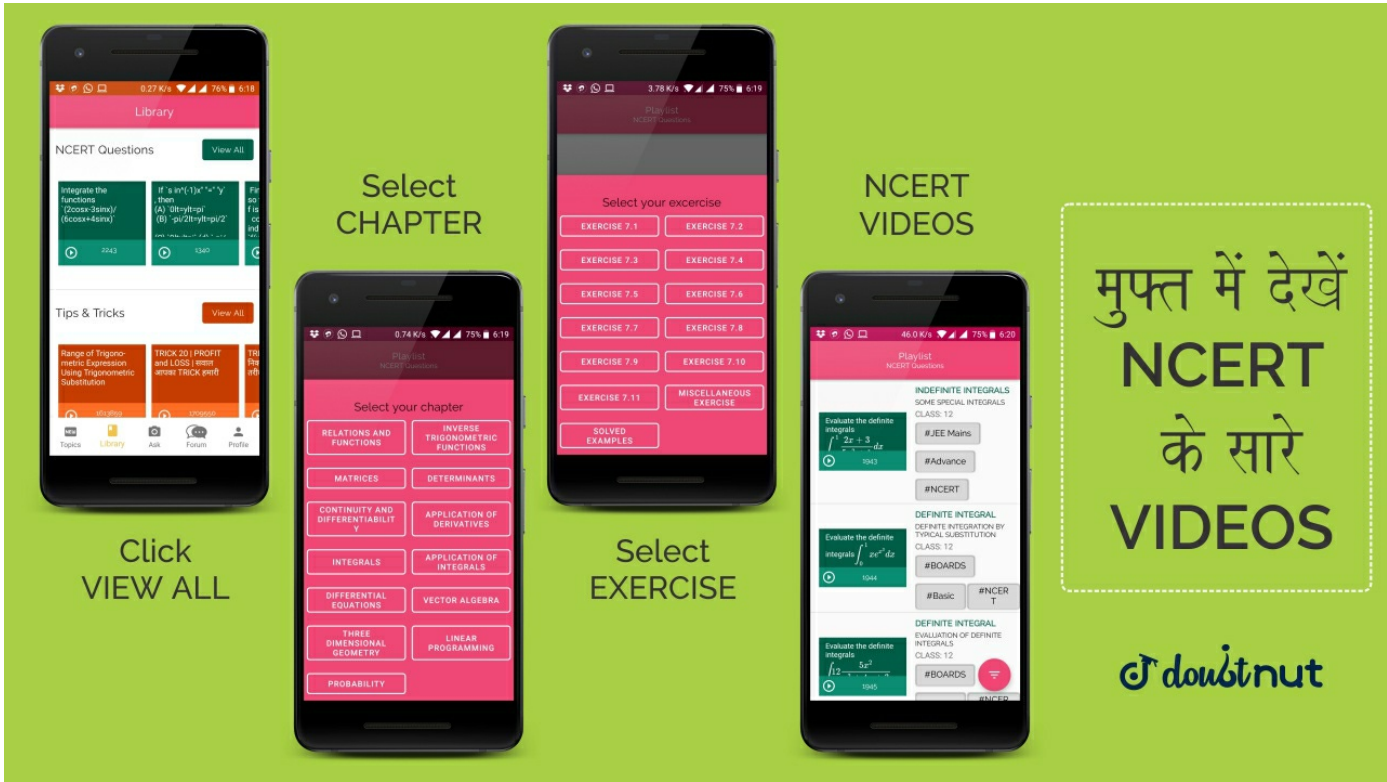



Ques No.	Question
1	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>1. INTRODUCTION - RATIO</p> <p>1. Introduction</p> <p>Click to LEARN this concept/topic on Doubtnut</p>
2	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>2. RATIO</p> <p>1. RATIO The ratio of two quantities of the same kind and in the units is a fraction that shows how many times the one quantity is of the other.</p> <p>Click to LEARN this concept/topic on Doubtnut</p>
3	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>2. RATIO</p> <p>2. RATIO IN THE SIMPLEST FORM A ratio $a:b$ is said to be in the simplest form if its antecedent a and consequent b have no common factor other than 1.</p> <p>Click to LEARN this concept/topic on Doubtnut</p>
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	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p>

4	<p>2. RATIO</p> <p>3. In a ratio we compare two quantities. The comparison meaningless if the quantities being compared are not of the same kind.</p> <p>🎧 Click to LEARN this concept/topic on Doubtnut</p>
5	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>2. RATIO</p> <p>4. RATIO The ratio of two quantities of the same kind and in the units is a fraction that shows how many times the one quantity is of the other.</p> <p>🎧 Click to LEARN this concept/topic on Doubtnut</p>
6	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>2. RATIO</p> <p>5. The order of the terms in a ratio $a:b$ is very important. The ratio $3:2$ is different from the ratio $2:3$.</p> <p>🎧 Click to LEARN this concept/topic on Doubtnut</p>
7	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>2. RATIO</p> <p>6. Divide 108 in two parts in the ratio $4:5$.</p> <p>🎧 Click to LEARN this concept/topic on Doubtnut</p>
	
8	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>2. RATIO</p> <p>7. If $(4x + 5):(3x + 11) = 13:17$ find the value of x.</p> <p>🎧 Click to LEARN this concept/topic on Doubtnut</p>


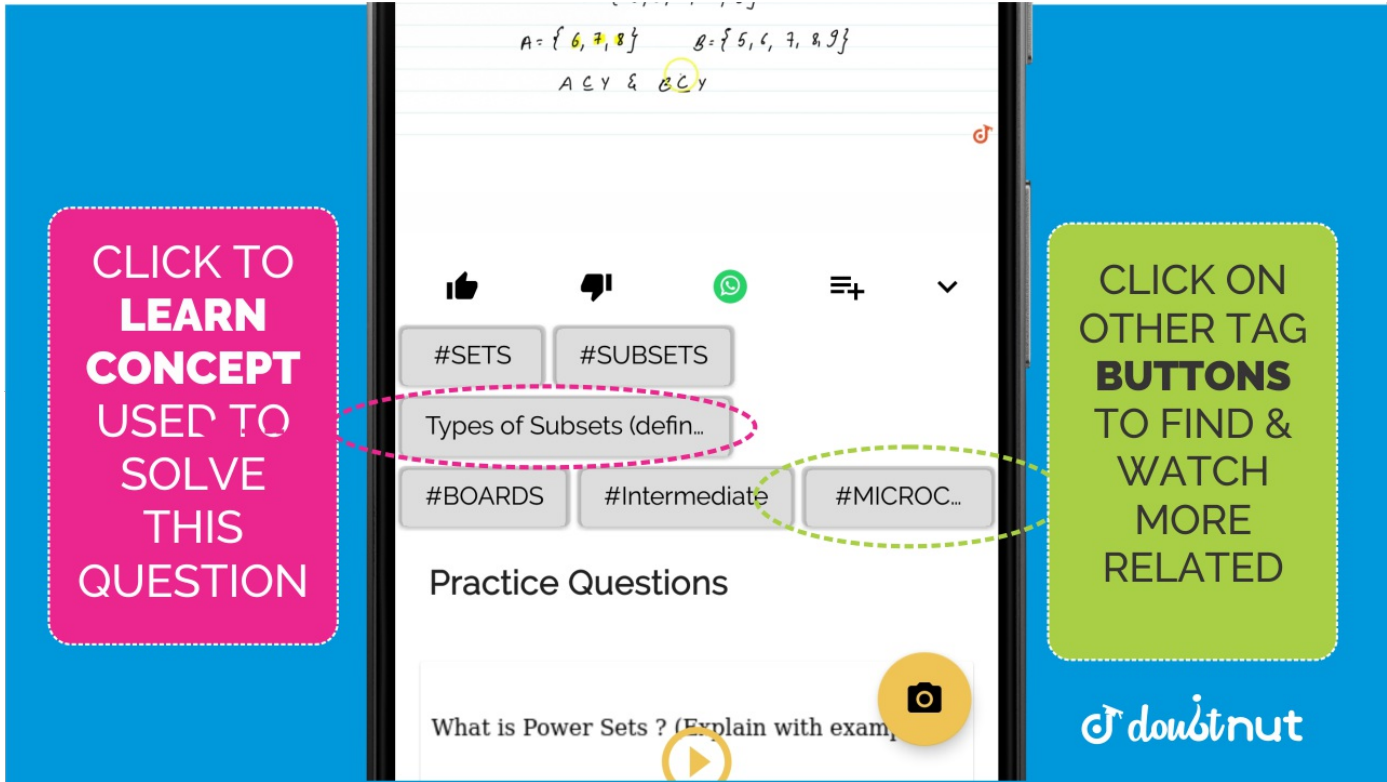
9	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>3. COMPARION OF RATIOS</p> <p>1. Comparison of ratios</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
10	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>4. EQUIVALENT RATIOS</p> <p>1. EQUIVALENT RATIOS A ratio obtained by multiplying or dividing the numerator and denominator of a given ratio by the same number is called an equivalent ratio.</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
11	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>5. PROPORTION</p> <p>1. PROPORTION An equality of two ratios is called a proportion.</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
	
12	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>5. PROPORTION</p> <p>2. CONTINUES PROPORTION Three numbers abc are said to be in continued proportion if $abbc$ are in proportion.</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>5. PROPORTION</p>


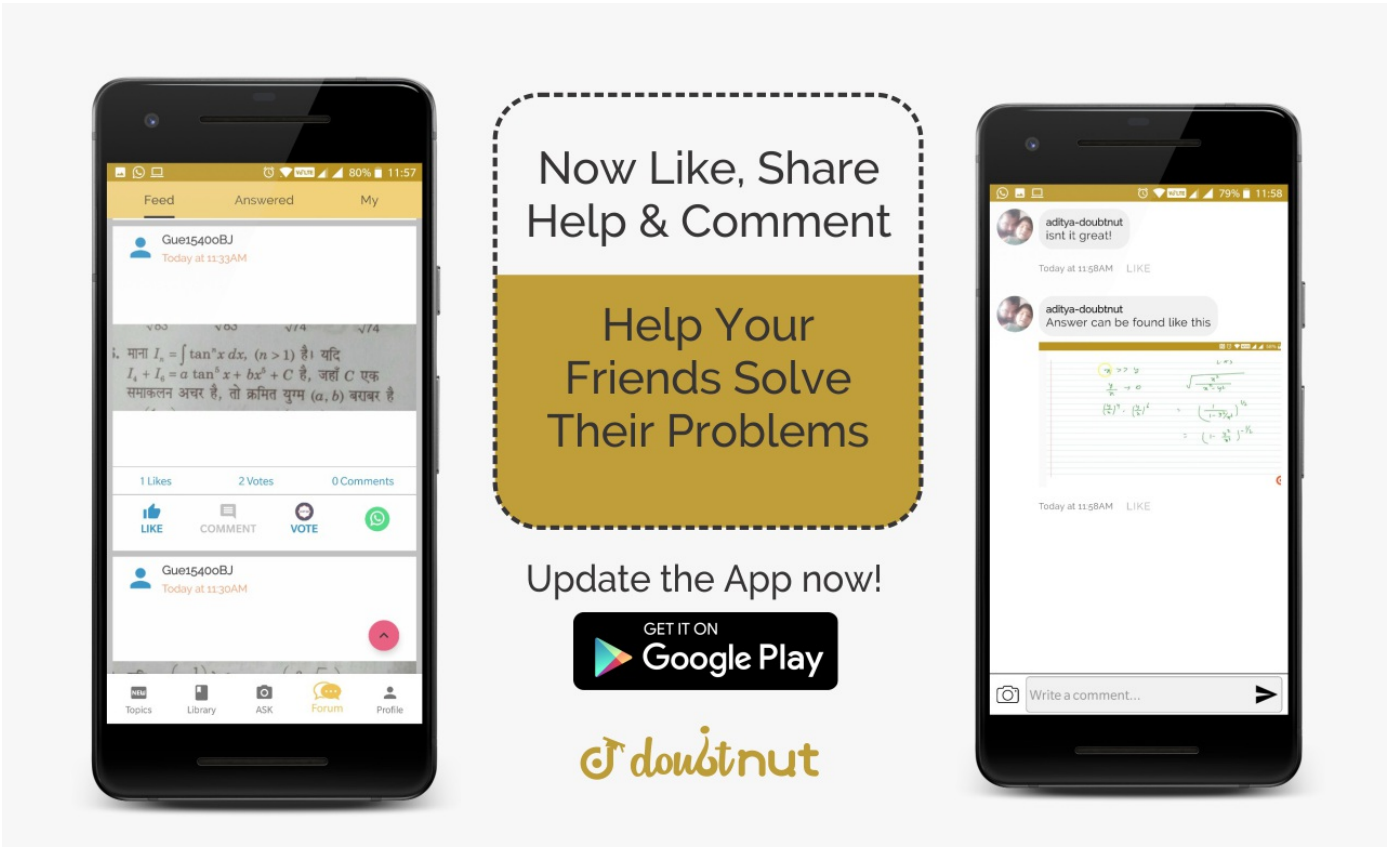
13	<p>3. MEAN PROPORTIONAL If abc are in continued proportion then b is called the mean proportional between a and c.</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
14	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>5. PROPORTION</p> <p>4. What must be added to the numbers 6, 10, 14 and 22 so that they are in proportion ?</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
15	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>6. UNITARY METHOD</p> <p>1. Unitary method</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
	
16	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>6. UNITARY METHOD</p> <p>2. If 25 metres of cloth cost Rs 1575 how many metres of it can be bought for Rs 2016 ?</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p>

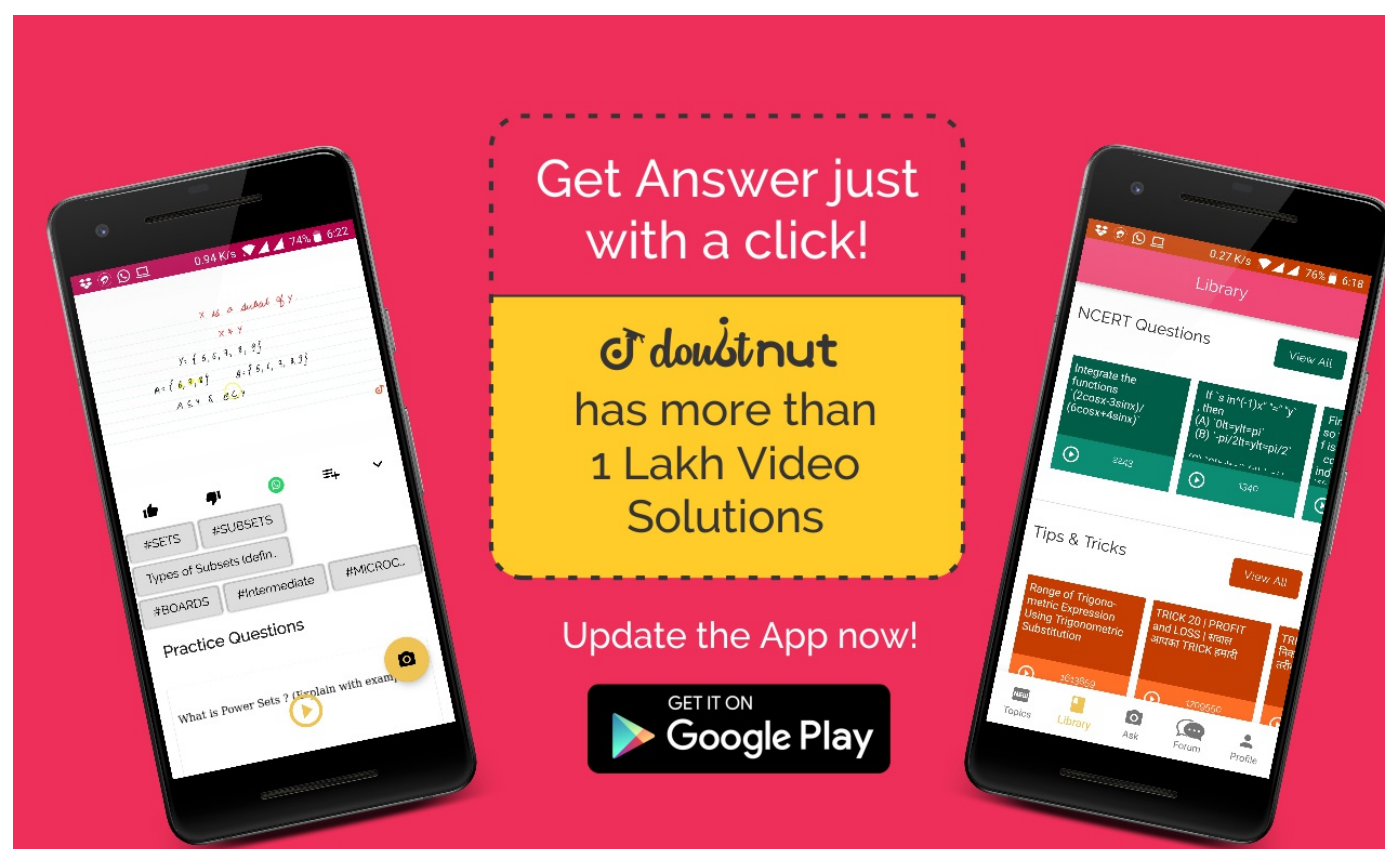
17	<p>7. INTRODUCTION TO PERCENTAGES</p> <p>1. Introduction</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
18	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>8. PERCENT</p> <p>1. percent The word percent is an abbreviation of the Latin phase per centum which means per hundred or hundredths.</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
19	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>8. PERCENT</p> <p>2. Percent as a fraction</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
	
20	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>8. PERCENT</p> <p>3. Percent as a ratio</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
21	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>8. PERCENT</p> <p>4. Percent as a fraction</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>

22	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>8. PERCENT</p> <p>5. Conversion of a fraction into a percent</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
23	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>8. PERCENT</p> <p>6. Conversion of a ratio into percent and vice versa</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
	
24	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>8. PERCENT</p> <p>7. Conversion of percent into decimal and vice versa</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
25	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>9. FINDING A PERCENTAGE OF A GIVEN NUMBER</p> <p>1. Finding a percentage of a given number</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
26	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>10. FINDING HOW MUCH PER CENT ONE QUANTITY IS OF ANOTHER QUANTITY</p> <p>1. Finding how much per cent one quantity is of another quantity</p>

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27	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>11. SOME WORD PROBLEMS ON PERCENTAGE</p> <p>1. Formulae for finding increase or decrease per cent :</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
	
28	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>11. SOME WORD PROBLEMS ON PERCENTAGE</p> <p>2. Sarita secures 84 % marks in hindi paper. If the maximum marks in the paper are 150 find the marks secured by her in the paper.</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
29	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>11. SOME WORD PROBLEMS ON PERCENTAGE</p> <p>3. In a fabric cotton and synthetic fibres are in the ratio of 2 : 3. What is the percentage of cotton fibre in the fabric ?</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
30	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>11. SOME WORD PROBLEMS ON PERCENTAGE</p> <p>4. In an examination 94 % of the candidates passed and 114 failed. How many candidates appeared ?</p> <p>▶ Click to LEARN this concept/topic on Doubtnut</p>
	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p>

31	<p>12. INTRODUCTION TO PROFIT AND LOSS</p> <p>1. Introduction</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
	
32	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>13. PROFIT AND LOSS</p> <p>1. Cost price The amount paid to purchase an articles or the price at which an article is made is known as its cost price.</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
33	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>13. PROFIT AND LOSS</p> <p>2. Selling price The price at which an article is sold is known as its selling price. The selling price is abbreviated as S.P.</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
34	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>13. PROFIT AND LOSS</p> <p>3. Profit If the selling price (S.P.) of an article is greater than the cost price (C.P.) the difference between the selling price and cost price is called profit.</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
35	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>13. PROFIT AND LOSS</p> <p>4. Loss If the selling price (S.P.) of an article is less than the cost price (C.P) the difference between the cost price (S.P.) is called loss.</p>

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36	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>14. PROFIT PERCENT AND LOSS PERCENT</p> <p>1. Profit percent = profit/C.P. xx 100 Loss per cent = Loss/C.P. xx 100</p> <p>Click to LEARN this concept/topic on Doubtnut</p>
37	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>14. PROFIT PERCENT AND LOSS PERCENT</p> <p>2. Find the gain or loss percent if (a) C.P.=500 rs , S.P.=565 rs (b)C.P.=700 rs ,S.P.=630rs</p> <p>Click to LEARN this concept/topic on Doubtnut</p>
38	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>14. PROFIT PERCENT AND LOSS PERCENT</p> <p>3. Find the gain or loss percent if (i) C.P. = Rs 500 and S.P. = Rs 565 (ii) C.P. = Rs 700 and S.P. = Rs 630</p> <p>Click to LEARN this concept/topic on Doubtnut</p>
39	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>14. PROFIT PERCENT AND LOSS PERCENT</p> <p>4. A box of Alphonso mangoes was purchased by a fruit - seller for Rs 300. However he had to sell them for Rs 255 because they began to get over ripe. What was the loss percentage ?</p> <p>Click to LEARN this concept/topic on Doubtnut</p>



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CONCEPT FOR BOARDS || Chapter COMPARING QUANTITIES

14. PROFIT PERCENT AND LOSS PERCENT

5. A grocer buys eggs at 10 for Rs 8 and sells at 8 for Rs 10. Find his gain or loss percent.

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CONCEPT FOR BOARDS || Chapter COMPARING QUANTITIES

14. PROFIT PERCENT AND LOSS PERCENT

6. Krishnamurti bought oranges at Rs 5 a dozen. He had to sell them at a loss of 4 % . Find the selling price of one orange.

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CONCEPT FOR BOARDS || Chapter COMPARING QUANTITIES

14. PROFIT PERCENT AND LOSS PERCENT

7. A man sells his scooter for Rs 18000 making a profit of 20 % . How much did the scooter cost him ?

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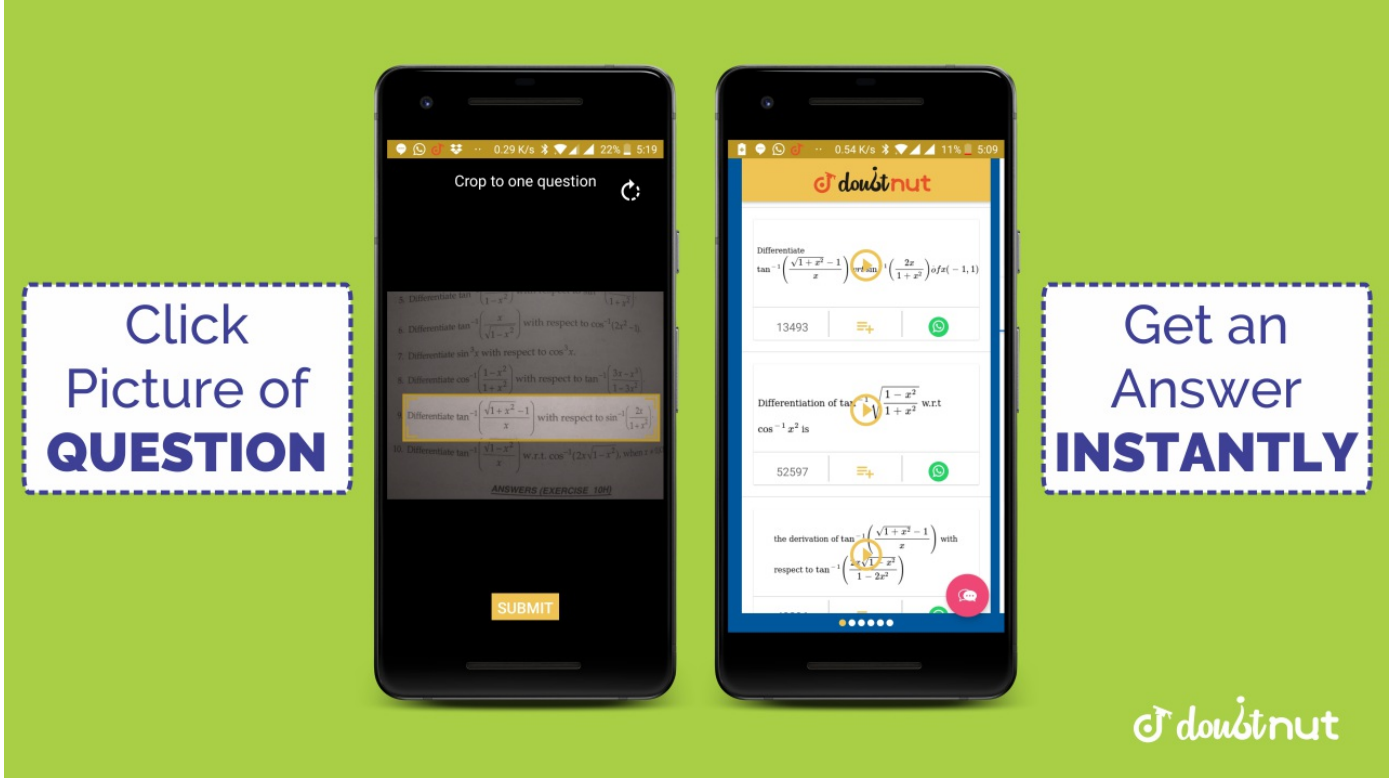
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CONCEPT FOR BOARDS || Chapter COMPARING QUANTITIES

15. INTRODUCTION TO SIMPLE INTEREST

1. Introduction

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CONCEPT FOR BOARDS || Chapter COMPARING QUANTITIES

16. SOME DEFINITIONS

1. PRINCIPAL The money borrowed by a borrower from a lender is known as the principal or sum.

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CONCEPT FOR BOARDS || Chapter COMPARING QUANTITIES

16. SOME DEFINITIONS

2. INTEREST The additional money paid by the borrower to the lender for having used his money is called the interest.

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CONCEPT FOR BOARDS || Chapter COMPARING QUANTITIES

16. SOME DEFINITIONS

3. AMOUNT The total money which the borrower pays back to the lender at the end of the specified period is called the amount.

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CONCEPT FOR BOARDS || Chapter COMPARING QUANTITIES

47	<p>17. SIMPLE INTEREST</p> <p>1. SIMPLE INTEREST If interest is calculated uniformly on the original principal throughout the loan period it is called simple interest.</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
	
48	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>17. SIMPLE INTEREST</p> <p>2. A sum of Rs 4000 is lent for 5 years at the rate of 15 % per annum. Find the interest.</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
49	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>17. SIMPLE INTEREST</p> <p>3. Find the interest on Rs 1200 at 6 % per annum for 146 days.</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
50	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>17. SIMPLE INTEREST</p> <p>4. What principal will amount to Rs 900 in 6 years at 10 % simple interest ?</p> <p>🔗 Click to LEARN this concept/topic on Doubtnut</p>
51	<p>CONCEPT FOR BOARDS Chapter COMPARING QUANTITIES</p> <p>17. SIMPLE INTEREST</p> <p>5. Rishi deposited Rs 20000 in a financial institution on 28th march 2000 and closes his account on 21st August 2000. If the institution pays an interest of 9 % per annum what amount does Rishi get ?</p>

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